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**OPERABLE UNIT 5 - AQUIFER RESTORATION PROJECT - FACT SHEET -
MAY 1996**

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FACT SHEET

Operable Unit 5

Aquifer Restoration Project

May 1996

Introduction

The *Record of Decision for Remedial Actions at Operable Unit 5* was signed by the U.S. Environmental Protection Agency (EPA) on Jan. 31, 1996. Issued jointly by EPA and DOE, the record of decision (ROD) formalizes the selected remedy for an operable unit and initiates the remedial design process.

Remedial Design

On April 1, DOE submitted the draft *Remedial Design Work Plan for Remedial Actions at Operable Unit 5* to EPA and Ohio EPA. As required by the Amended Consent Agreement between DOE and EPA, a draft work plan follows the ROD by 60 days and identifies the overall design and strategy for implementing the remedy and the schedules for the delivery of design documents to EPA for review and approval. The Operable Unit 5 Remedial Design Work Plan fulfills this requirement for both the Aquifer Restoration and the Soil Remediation projects.

The five objectives of the Great Miami Aquifer remedial design process are to:

- 1) Accommodate the need for sequential restoration modules, each independently designed, installed and operated using "learn-as-you-go" principles over the life of the remedy;
- 2) Build into the remedy the necessary enhancements and improvements that were envisioned by the Operable Unit 5 Feasibility Study Report and the ROD;
- 3) Develop a solid remedial approach that will accomplish remedial action objectives within the aggressive time frames contained in the Fernald site's current funding baseline (10 years);
- 4) Accommodate the transition of the existing infrastructure and early start actions with a coordinated sitewide final remedy; and
- 5) Satisfy discharge limits for the release of groundwater, stormwater, and remedial wastewater to the Great Miami River.

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The remedy for the Great Miami Aquifer is unique in that major elements of the remedy have already been designed and implemented as a result of EPA-approved early start initiatives and groundwater-related removal actions.

These elements include the Advanced Wastewater Treatment (AWWT) facility, the South Field Extraction System, and the South Plume Removal Action recovery well system. The remedial design process will build upon this existing infrastructure.

Other work elements outlined in the remedial design work plan include the following module designs:

- Injection Demonstration;
- South Plume Optimization;
- Plant 6 Area Extraction;
- Waste Storage Area Extraction.

Additionally, the following documents will be prepared:

- Baseline Remedial Strategy Report;
- Operations and Maintenance Plan;
- Integrated Environmental Monitoring Plan;
- Remedial Action Work Plan;
- Site Closeout Report.

For More Information

Contact the Public Environmental Information Center (PEIC), located at 10845 Hamilton-Cleves Highway, Harrison, Ohio, 45030 (phone: 513-738-0164).

For specific questions regarding Operable Unit 5, contact: Rob Janke, DOE Fernald Area Office Operable Unit 5 branch chief, 513-648-3124.